

# Appendix A: Author's Guide

Do not put contents or lines in headings

**General** A4, vertical page, margin settings (Top 2.7cm, Bottom 2.3cm, Left/Right 1.6cm), Single line spacing, Double column (Width of column 24.17ch, Space 2.13ch), in Black

**Title** Put the title of the paper here with font **Arial**, size **15pt**, **centered**, length **up to 2 lines**

**Authors** **First + Middle (initial) + Last name** \*1a(Superscript—\*:Corresponding, 1:affiliation, a:footnote info), Sullivan T. Smith\*<sup>2</sup>, Tanaka Ikarashi<sup>1a</sup> and Ahmed M. Mohamed<sup>2b</sup>

**Affiliations** <sup>1</sup>Affiliation (Department, Institute, Address, Country) with font **Arial**, size **8.5pt**  
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**Dates** (Received keep as blank, Revised keep as blank, Accepted keep as blank)

**Abstract** Insert abstract paragraph here with Times New Roman font and 9.5pt size. Abstract length needs to be approximately 250 words (about 15 lines). Do not have References, Equations, Figures, or Tables in the abstract.  
**Abstract.** This study aimed to develop a model to accurately predict the acceleration of structural systems during an earthquake. The acceleration and applied force of a structure were measured at current time step and the velocity and displacement were estimated through linear integration..... **Keywords should be in alphabetical order.**

**Keywords** **Keywords:** complex terrain; typhoon wind field; CFD simulation; surface roughness length; topography

**Main text** **1. Introduction** **Section title - Level 1: Arial, 10pt, Bold, No indent**

Normally, strong winds have been associated with two types of wind in typhoon prone region. The first one is the nature wind and the other one is the typhoon, or say severe tropical cyclone. Many studies have been carried out on wind and buckling (static and dynamic) of various types have been carried out. Cheng (2011) have studied the elastic critical loads for plane frames by using the transfer matrix method. Cheng and Xu (2012) method has been described by Cheng and Xu (2012) .....

**Text:** Times New Roman, 10pt, 0.5cm indent for the first line

**Reference Citation (1 author)**

**Reference Citation (2 authors)**

**2. Section title: Level 1**

The system examined, shown schematically in Fig. 1 is a beam of variable cross section, carrying a so called heavy tip mass M. Its mass moment of inertia I<sub>y</sub> about the perpendicular axis at the centroid S<sub>c</sub> is I<sub>y</sub>. The publications (Abolghasemi and Jalali 2003, Younesian and Esmailzadeh 2010, Arvin and Bakhtiari-Nejad 2011) are considered also with rotating beams in which nonlinear oscillations are investigated. Analytical and experimental investigations on vibrating frames carrying concentrated masses with characteristics of frames have been studied by using analytical solutions and the finite element method (Cheng *et al.* 2013a, b). .....

**Figure Citation (1 figure)**

**2.1 Numerical simulation procedure** **Subtitle - Level 2: Arial, 10pt, Italic, 0.5cm indent**

One can write the extended form of the Hamilton's principle with the stationary condition in the present study

**Locate equation in a table insert> "π equation" directory**

**Consecutive no.: Right alignment**

$$U_L = \frac{1}{2} \left( \int_0^d EI(v_1'')^2 dx \right) + \frac{1}{2} \left( \int_0^d EA(u_1')^2 dx \right) \quad (1)$$

**Table Citation (1 Table)**

In consideration of different 10m height wind speed and the power law exponent index  $\alpha$  results shown in Table 2, the representative upstream typhoon wind fields at data for training ANN in Tables 1-2.....

**Mathematical expression (centered):**  
 Insert > Object > Microsoft Equation 3.0 (MS Word 2007)  
 Insert > Equation (MS Word 2010)

**3. Section title: Level 1** **Table Citation (2 Tables)**

A finite element model is developed to represent a cracked beam element of length d and the crack is located at

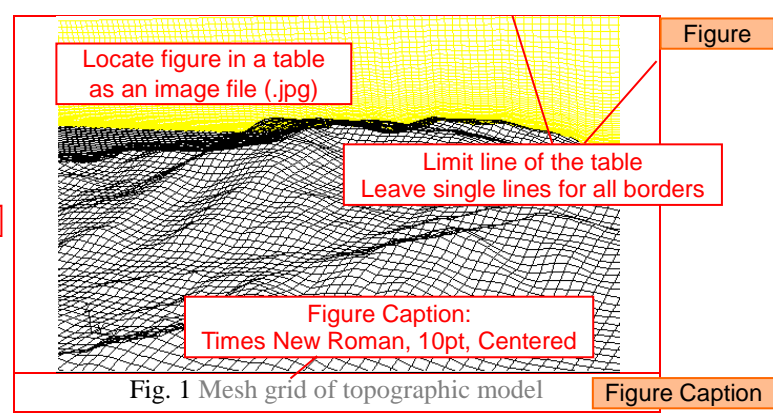
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**Reference Citation (more than 3 authors)**

**Times New Roman, 10pt**

\*Corresponding author, Professor (or Ph.D., etc.)  
 E-mail: email address  
<sup>a</sup>Ph.D.  
 E-mail: email address

**Optional**



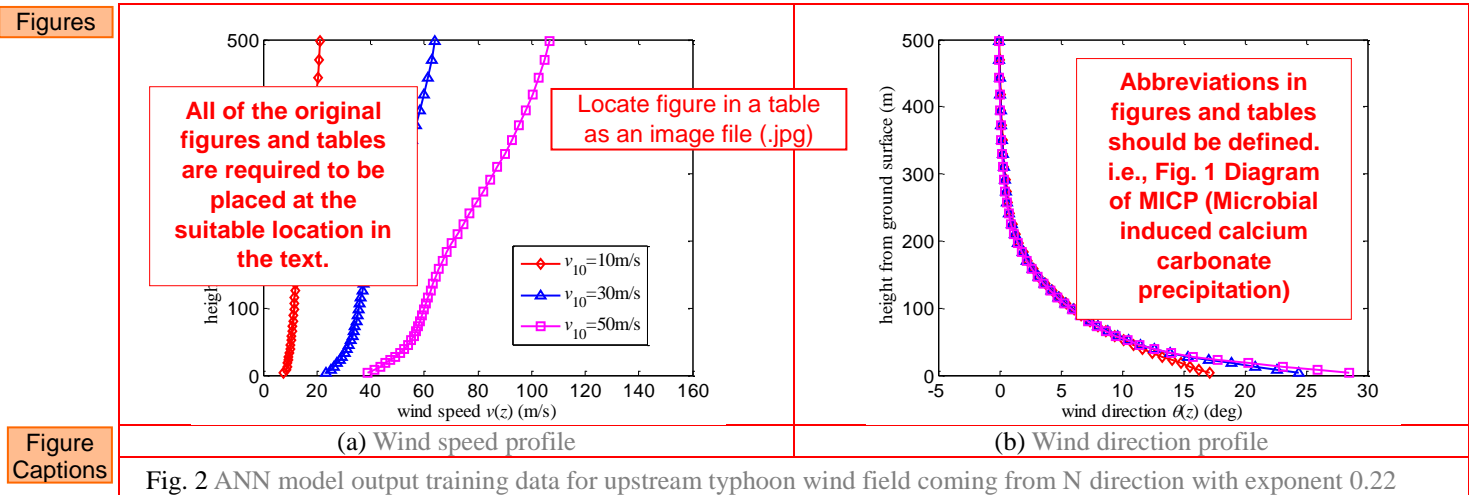


Table 1 Caption: Times New Roman, 10pt

		Intact 9pt	DI	D2	Intact	DI	D2
OF-1*	Mean	2.63 9pt	2.62	2.53	3.34	2.67	2.46
	SD	0.041 9pt	0.369	0.123	0.290	0.444	0.207
OF-3	Mean	23.39 9pt	23.24	22.55	23.63	23.12	22.73
	SD	0.021 9pt	0.161	0.161	0.042	0.251	0.213

\*OF-1: Observed Frequency for 1st mode; OF-3: Observed Frequency for 3rd mode

Table 2 Caption: Times New Roman, 10pt

		Intact	DI	D2	Intact	DI	D2
OF-1*	Mean	2.63	2.62	2.53	3.34	2.67	2.46
	SD	0.041	0.369	0.123	0.290	0.444	0.207
OF-3	Mean	23.39	23.24	22.55	23.63	23.12	22.73
	SD	0.021	0.161	0.161	0.042	0.251	0.213

\*OF-1: Observed Frequency for 1st mode; OF-3: Observed Frequency for 3rd mode

a distance  $d_1$  from the left end of the element as shown in Figs. 2-3. Substituting Eqs. (3)-(4) in Eq. (7) yields the general equation for the local compliances as follows

are independent of  $\eta$ ,  $\eta$ : see Figs. 1 and 3).....

4. Section title: Level 1

4.1 Subtitle: Level 2

4.1.1 Subtitle: Level 3

On the day of the beam test, the respective control cylinders were capped and tested in compression to determine the compressive strength of concrete. Table 1 shows that the average values of the 56-day compressive strengths are 69.2 and 68.7 MPa for Series V and S specimens, respectively. The results indicate that although the two mix designs were different, they had similar

compressive strengths.....

compressive strengths.....

Chondros *et al.* (1998) have developed a continuous cracked beam vibration theory for the lateral vibration of cracked Euler-Bernoulli beams with single-edge or double-edge open cracks....

5. Conclusions

A numerical simulation procedure for predicting directional typhoon wind fields over complex terrain has been proposed in this study.

- The reduction of natural frequency depends on the crack depth and crack location.
- Higher drift ratios are observed when the crack is located near the roots or corners of the frames.....

Acknowledgments

The research described in this paper was financially

References

- Author(s) (Year), "Title of paper (Capital letter only for the first letter)", *Name of Journal* (Italic), **Volume number** in **Journal titles: May be abbreviated**
- Indent 1ch except the first line

**bold**(Issue number in non-bold), page-page. doi address.

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